1/6/87 A8050-3A

REPORT

Statistical

national machine tool builders association

REPORT NO. 183-86
December 31, 1986

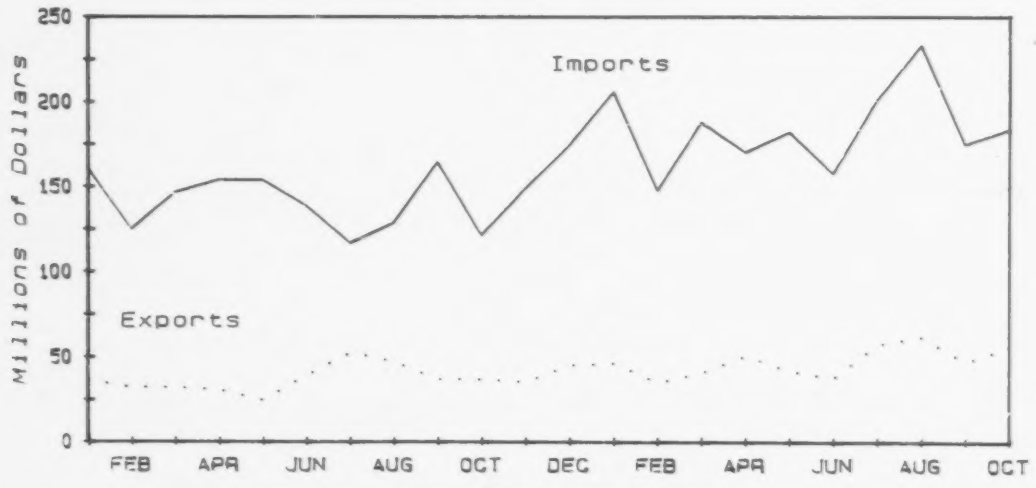
U.S. FOREIGN TRADE IN MACHINE TOOLS
October 1986

During October 1986 U.S. foreign trade in machine tools produced a trade deficit of $127.7 million, bringing the ten month deficit to $1,370.0 million. October exports increased 19% from the September total and stood at $56.4 million. Imports, at $184.1 million, were 5% above the previous month's level. Year-to-date machine tool exports of $478.4 million were up 29% from the first ten months of 1985. U.S. imports increased 31% from the same period last year to a total of $1,848.4 million.

U.S. Machine Tool Trade
($Millions)

	October 1986			Ten Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$ 32.6	$114.7	($ 82.1)	$295.4	$1,362.7	($1,067.3)
Metal Forming	$ 23.8	$ 69.4	($ 45.6)	$183.0	$ 485.7	($ 302.7)
Total	$ 56.4	$184.1	($127.7)	$478.4	$1,848.4	($1,370.0)

U.S. FOREIGN TRADE -- TOTAL MACHINE TOOLS
Monthly Totals

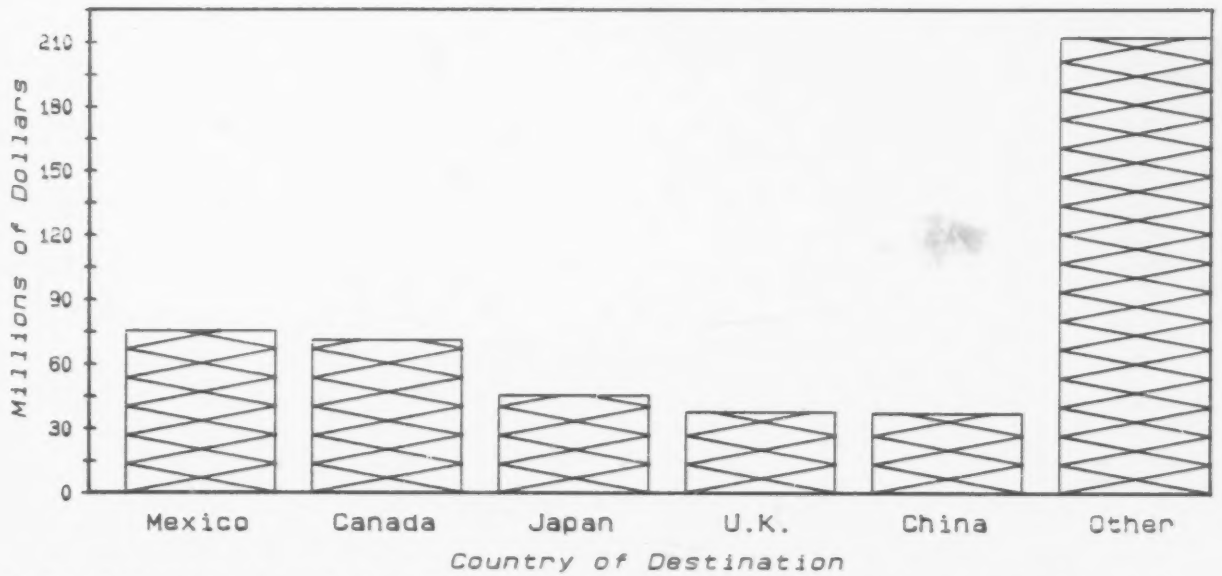


January 1985 - October 1986

NMTBA sponsors the INTERNATIONAL MACHINE TOOL SHOW IMTS The world of manufacturing technology

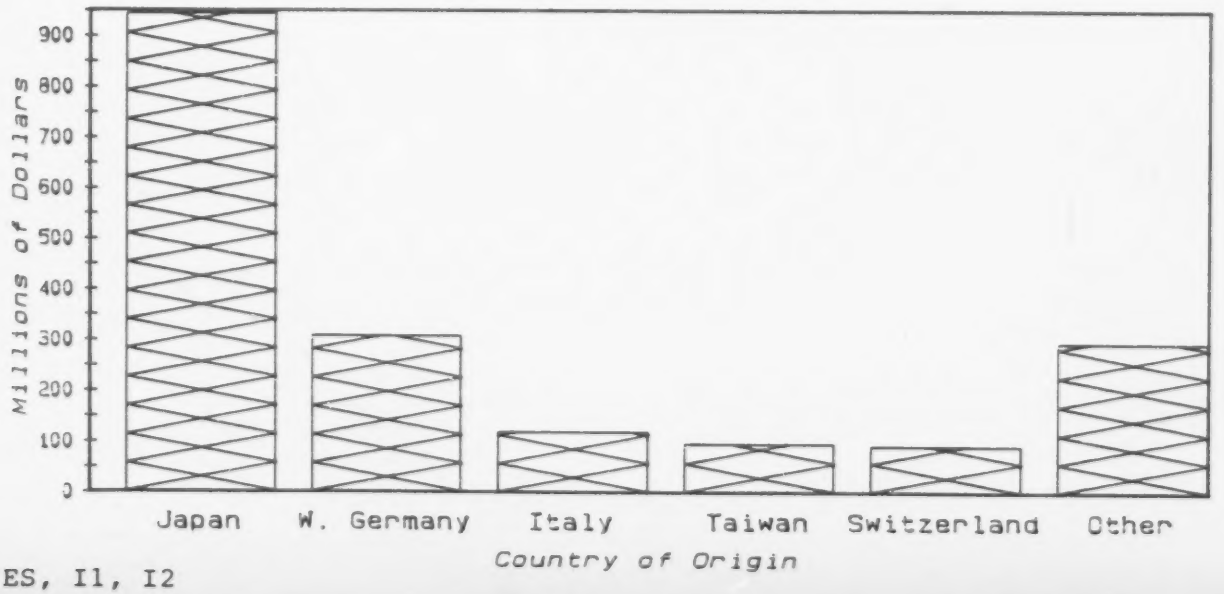
U.S. Exports of metal cutting machine tools during October were 6% above their September level. Metal forming exports were 44% above the previous month's level. Compared to the first ten months of 1985, U.S. exports of metal cutting machinery rose 27%. Metal forming exports gained 31%. For January through October 1986, the leading export markets were (in millions): Mexico ($75.3), Canada ($71.0), Japan ($45.4), the United Kingdom ($37.7) and China ($37.2).

U.S. EXPORTS
1986, Year to Date



U.S. Imports of metal cutting machine tools in October were 15% below September's level but the ten month total for 1986 was 20% above the same period last year. October metal forming imports increased 71% from September and their year-to-date 1986 total stood 75% above the level registered in the first ten months of 1985. The leading sources of machine tool imports to the U.S. during the first ten months of 1986 were (in millions): Japan ($943.0), West Germany ($307.9), Italy ($118.5), Taiwan ($94.7) and Switzerland ($90.4).

U.S. IMPORTS
1986, Year to Date



ES, I1, I2

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1986

RELEASED DECEMBER 31, 1986

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
674	METAL CUTTING				
3025	Gear Hobbers	71	8948	1	291
3035	Gear Shapers	4	668	0	0
3045	Gear Cutting Machines, N.E.C.	20	3066	2	228
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1861	143055	127	9531
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	285	26642	9	834
3409	Horizontal Machining Centers, ATC, NC	579	72253	97	11388
3411	Machining Centers, NC, N.E.C.	643	55239	47	5337
3412	Single Station and Multi-Station Transfer Machines	87	30281	4	748
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	5	972	0	0
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	39	7480	3	715
3419	Vertical Boring-Drilling-Milling Machines, NC	185	14719	12	648
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	22	1668	1	13
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	59	2470	1	8
3328	Drilling Machines, NC	119	9283	7	320
3329	Drilling Machines, Multi-Spindle, Non-NC	43	3948	9	1440
3334	Drilling Machines, Radial, Non-NC	211	1703	3	15
3336	Drilling Machines, Upright, Single Spindle, Non-NC	72	483	1	5
3342	Drilling Machines, Non-NC, N.E.C.	652	17983	142	811
3464	Milling Machines, NC	708	50697	96	4489
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	22	1214	1	11
3467	Milling Machines, Knee Type, Non-NC	3060	17190	231	1117
3468	Milling Machines, Bed Type, Non-NC	267	4941	39	354
3469	Milling Machines, Non-NC, N.E.C.	1522	22985	203	1436
3476	Vertical Boring Machines, Incl. VTL's, NC	73	10173	6	425
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	157	4026	53	710
3481	Boring Machines, NC, N.E.C.	23	10206	5	386
3483	Boring Machines, Non-NC N.E.C.	475	54141	16	666
3504	Horizontal Lathes, Multi-Spindle, NC	36	3883	1	64
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	2953	121073	183	9318
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	763	52636	53	4276
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	254	17619	15	1450
3512	Horizontal Engine & Toolroom Lathes, Non-NC	3361	27503	257	1812
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	96	3051	5	25
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	122	11419	4	751
3515	Automatic Bar Machines, Single Spindle, Non-NC	40	868	1	22
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	17	2763	1	248
3518	Horizontal Lathes, Non-NC, N.E.C.	212	9030	17	612
3505	Vertical Lathes, Multi-Spindle, NC	113	9951	17	994
3519	Vertical Lathes, NSPF, NC	404	25252	37	1502
3522	Vertical Lathes, Excl. VTL's, Non-NC	1363	29125	75	2240
3527	Gear Tooth Grinding & Finishing Machines	408	13563	11	323
3528	Tool & Cutter Grinding Machines, NC	84	3785	14	483
3529	Tool & Cutter Grinding Machines, Non-NC	1100	17965	56	739
3532	Honing & Lapping Machines	196	11910	19	1120
3539	Grinding Machines, Flat Surface, NC	43	6693	0	0
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	376	5549	7	40
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1273	24424	139	2093
3546	Grinding & Polishing Machines, NC, N.E.C.	99	10367	2	340
3554	External Grinding Machines, Non-NC	756	16798	9	1199
3556	Internal Grinding Machines, Non-NC	85	4194	5	39
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	167	7683	7	292
3559	Grinding Machines, Non-NC, N.E.C.	1488	49710	97	2320
3562	Traveling Wire Electrical Discharge Machines	744	49761	153	5808
3564	All Other Electrical Discharge Machines	483	20930	54	1368
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	54	4003	0	0
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	190	3752	11	381
3576	Metal Cutting Machines Tools, NC, N.E.C.	132	64773	22	15059
3577	Sawing & Cut-Off Machines, Non-NC	1639	23653	171	2462
3578	Broaching Machines, Non-NC	64	1688	1	7
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	935	23865	110	3070
4000	Metal Cutting Machine Tools, Used or Rebuilt*	5433	22541	294	1663
5000	Metal Cutting Machine Tools, Less Than $2500**	642586	84335	100396	8672
	TOTAL CUTTING			103360	114728
	TOTAL CUTTING YTD	679333	1362659		
674	METAL FORMING				
1010	Die Casting Machines	651	27045	22	689
1582	Metal Forming Machine Tools, Used or Rebuilt	362	6351	48	1029
1583	Metal Forming Machine Tools, Less Than $2500	20149	8411	1799	799
1584	Punching and Shearing Machines, Incl. Combination, NC	434	50072	43	5039
1586	Shearing Machines, Non-NC	926	18248	55	1316
1587	Punching & Combination Punching & Shearing Machines, Non-NC	618	11051	11	159
1588	Bending, Folding, Straightening & Flattening Machines, NC	359	33263	61	5003
1589	Press Brakes, Non-NC	988	27380	84	2557
1591	Bending Rolls, Ram & Press Bending Machines, Non-NC	195	2634	35	234
1592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	1111	30799	110	1573
1593	Metal Forming Machine Tools, NC, N.E.C.	38	3237	1	186
1594	Mechanical Presses, Non-NC	291	43070	32	20458
1595	Hydraulic Presses, Vertical, Single Action, Non-NC	77	7364	4	143
1596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	865	124894	23	21066
1597	Headers & Upsetters, Non-NC	102	7655	5	346
1598	Forging Machines, Non-NC, N.E.C.	124	7863	10	2768
1599	Metal Forming Machine Tools, Non-NC, N.E.C.	1803	76327	110	5863
	TOTAL FORMING			2453	69431
	TOTAL FORMING YTD	29093	485704		
	TOTAL ALL TYPES			105813	184159
	TOTAL ALL TYPES YTD	708426	1848163		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 1015, 1415, 1326, 1461, 1472, 1502, 1524, & 1571.

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 1100, 1462, 1473, 1503, 1526, & 1574.

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1986

674:	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	1	329
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3428	2	8	0	0	0	0	0	0	0	0
3429	0	0	0	0	0	0	0	0	0	0
3434	0	0	0	0	0	0	0	0	1	8
3436	0	0	0	0	0	0	0	0	0	0
3442	0	0	0	0	0	0	107	303	0	0
3464	0	0	0	0	0	0	1	1725	1	66
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	2	45
3469	0	0	0	0	0	0	1	641	1	41
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	9	54
3481	0	0	0	0	0	0	0	0	0	0
3483	1	13	0	0	0	0	1	362	6	148
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	2	363
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	2	299
3505	0	0	0	0	0	0	0	0	0	0
3519	7	87	0	0	0	0	0	0	0	0
3522	3	37	3	254	0	0	0	0	0	0
3527	0	0	0	0	0	0	0	0	1	47
3528	0	0	0	0	0	0	1	35	12	285
3529	0	0	0	0	0	0	0	0	1	9
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	6	23
3543	1	7	0	0	9	247	0	0	5	162
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	3	109
3559	4	47	2	123	0	0	6	20	1	17
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	5	26	0	0	8	169	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	7	25	0	0	0	0	2	38	1	4
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	1	32	0	0	3	121	2	189
4000	21	70	1	4	0	0	1	63	23	215
5000	288	107	184	46	23	41	47	48	369	87
CUT MO	334	400	196	485	32	289	178	3525	449	2498
CUT YTD	3511	5441	802	2962	582	2138	4849	22838	7707	83611
3010	0	0	0	0	0	0	0	0	1	126
3582	0	0	0	0	0	0	0	0	0	0
3583	44	22	2	4	1	5	77	91	46	10
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	4	53	0	0	0	0	5	173
3587	0	0	0	0	0	0	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	7	144	0	0	0	0	1	25
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	43	126	0	0	11	536	2	10
3593	0	0	0	0	1	186	0	0	0	0
3594	0	0	0	0	0	0	0	0	1	3938
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	0	0	0	0	0	0
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	1	3	1	20
3599	0	0	2	59	0	0	0	0	4	941
FRM MO	44	22	58	185	4	192	89	630	61	5242
FRM YTD	456	898	556	7974	105	1591	842	8461	1002	34879
TOT MO	378	422	254	869	36	480	267	4155	510	7740
TOT YTD	3867	6339	1358	10936	687	3729	5691	31299	10709	118490

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1986

674:	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	4	156	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	1	623	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	2	380
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3428	0	0	0	0	0	0	0	0	0	0
3429	0	0	0	0	0	0	5	88	1	3
3434	0	0	0	0	0	0	0	0	0	0
3436	0	0	0	0	1	5	0	0	0	0
3442	0	0	0	0	3	33	0	0	0	0
3464	0	0	0	0	14	131	0	0	0	0
3466	0	0	0	0	1	11	0	0	0	0
3467	0	0	0	0	42	192	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	0	0	0	0	2	45	2	181	2	282
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	5	60
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	1	218
3515	0	0	0	0	0	0	0	0	1	22
3516	0	0	0	0	0	0	0	0	1	248
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	0	0	0	0	0	0
3527	0	0	0	0	0	0	0	0	4	192
3528	0	0	0	0	0	0	0	0	1	163
3529	0	0	0	0	1	12	0	0	1	20
3533	0	0	0	0	0	0	1	79	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	1	246
3554	0	0	0	0	0	0	0	0	4	250
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	5	124	0	0	0	0	1	3	3	180
3562	0	0	0	0	0	0	0	0	22	2010
3564	0	0	0	0	0	0	0	0	3	28
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	1	7	0	0
3579	2	31	0	0	14	122	0	0	4	33
4000	0	0	0	0	3	10	20	12	4	3
5000	49	63	0	0	28	158	145	60	5	2
CUT MO	57	841	0	0	109	718	179	586	67	4338
CUT YTD	1294	16101	285	634	2162	16083	2424	8302	2785	75045
3010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	1	27
3583	21	19	0	0	0	0	1	2	10	11
3584	0	0	0	0	0	0	0	0	5	871
3586	0	0	2	33	0	0	1	10	0	0
3587	0	0	0	0	0	0	2	275	2	54
3588	1	14	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	1	158	0	0
3591	0	0	0	0	0	0	4	61	0	0
3592	1	5	0	0	0	0	1	35	1	7
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	0	0	0	0	1	39
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	0	0	1	70	0	0	1	156
THM MO	25	38	2	33	1	70	10	541	23	1165
THM YTD	516	2049	80	1498	349	1048	518	9444	841	15396
TOT MO	82	879	2	33	110	788	189	1126	90	5503
TOT YTD	1810	18149	165	2132	2511	19131	2942	17746	1626	90441

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1986

674	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	1	291	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	2	228	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	12	565	0	0	0	0	0	0	0	0
3411	1	94	3	967	0	0	0	0	0	0
3412	0	0	2	368	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	1	229	0	0	0	0	0	0
3419	0	0	8	435	4	214	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	1	8	0	0
3328	0	0	1	126	0	0	0	0	0	0
3329	0	0	2	1327	0	0	0	0	0	0
3334	0	0	0	0	0	0	1	4	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	13	218	0	0	4	49	0	0
3464	31	991	3	485	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	13	197	0	0	0	0	0	0	0	0
3468	20	118	0	0	0	0	0	0	0	0
3469	0	0	42	1325	0	0	1	11	0	0
3476	0	0	1	18	0	0	0	0	0	0
3477	0	0	43	639	0	0	1	17	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	2	35	0	0	6	108	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	18	218	5	599	0	0	0	0	0	0
3508	3	338	3	292	0	0	0	0	0	0
3510	0	0	1	551	0	0	0	0	0	0
3512	23	204	0	0	0	0	0	0	2	23
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	12	95	0	0	0	0	0	0
3505	2	90	0	0	0	0	0	0	0	0
3519	0	0	1	28	0	0	0	0	0	0
3522	15	309	2	284	0	0	4	38	0	0
3527	0	0	2	50	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	2	12	24	323	0	0	9	122	0	0
3533	0	0	2	91	0	0	2	8	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	4	191	0	0	3	63	0	0
3546	0	0	0	0	0	0	0	0	0	0
3548	1	29	2	776	0	0	0	0	0	0
3556	0	0	1	27	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	20	273	29	1205	0	0	9	44	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	1	100	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	6	161	1	207	0	0	0	0	0	0
3576	0	0	1	126	0	0	0	0	0	0
3577	6	30	51	444	0	0	10	145	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	3	833	36	663	0	0	16	519	0	0
4000	40	173	71	732	0	0	14	85	0	0
5000	348	234	4724	660	23	27	103	50	6	14
CUT MO	567	4968	5100	14034	27	241	184	1276	8	36
CUT YTD	9094	64500	122432	230476	549	3967	5912	19154	794	3537
3010	0	0	14	211	0	0	4	94	0	0
3582	4	19	6	188	0	0	5	40	0	0
3583	7	6	231	185	0	0	25	20	2	4
3584	0	0	0	0	0	0	0	0	0	0
3586	14	133	6	83	0	0	2	36	0	0
3587	0	0	2	9	0	0	4	16	0	0
3588	1	128	0	0	0	0	0	0	0	0
3589	1	10	0	0	0	0	8	244	0	0
3591	0	0	0	0	0	0	1	42	0	0
3592	2	175	20	210	0	0	18	261	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	2	2211	0	0	0	0	0	0
3595	0	0	1	19	0	0	0	0	0	0
3596	7	415	4	84	0	0	2	699	0	0
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	7	2560	0	0	1	185	0	0
3599	8	675	10	1201	0	0	29	1278	0	0
MM MO	44	1581	323	6982	0	0	99	2917	2	4
MM YTD	875	20249	4847	77380	1	299	1741	26033	35	1503
TOT MO	611	6549	5423	21015	27	241	283	4193	10	40
TOT YTD	9969	84749	127279	307856	552	4266	7655	45188	829	17039

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1986

674:	CHINA		ISRAEL		JAPAN		KOREAN REP		SINGAPORE	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	98	8467	0	0	0	0
3406	0	0	0	0	7	674	0	0	0	0
3409	0	0	0	0	81	10682	0	0	0	0
3411	0	0	0	0	21	2958	0	0	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	1	158	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3428	0	0	0	0	2	80	0	0	0	0
3429	0	0	0	0	1	22	0	0	0	0
3434	0	0	0	0	0	0	1	4	0	0
3436	0	0	0	0	0	0	0	0	0	0
3442	0	0	0	0	2	95	0	0	1	62
3464	0	0	0	0	7	670	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	1	23	0	0	0	0
3468	0	0	0	0	1	48	0	0	0	0
3469	2	7	0	0	0	0	0	0	0	0
3476	0	0	0	0	5	407	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	5	386	0	0	0	0
3483	0	0	0	0	0	0	0	0	0	0
3504	0	0	0	0	1	64	0	0	0	0
3506	0	0	0	0	117	7603	14	625	7	67
3508	0	0	0	0	45	3551	1	40	0	0
3510	0	0	0	0	9	840	0	0	0	0
3512	2	38	0	0	3	256	35	153	30	267
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	1	170	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	2	211	0	0	0	0
3505	0	0	0	0	15	904	0	0	0	0
3519	0	0	0	0	21	1220	0	0	0	0
3522	0	0	0	0	17	1131	0	0	0	0
3527	0	0	0	0	1	19	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	5	77	0	0	2	127
3533	0	0	0	0	14	942	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	1	16	0	0	0	0
3543	0	0	0	0	21	879	0	0	3	32
3546	0	0	0	0	1	94	0	0	0	0
3554	0	0	0	0	2	145	0	0	0	0
3556	2	12	0	0	0	0	0	0	0	0
3558	0	0	0	0	2	175	0	0	0	0
3559	0	0	0	0	5	231	0	0	0	0
3563	0	0	0	0	126	3742	0	0	0	0
3564	0	0	0	0	21	909	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	20	14911	0	0	0	0
3577	0	0	3	147	78	1577	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	20	484	0	0	0	0
4000	0	0	4	2	10	101	0	0	0	0
5000	1544	80	0	0	11811	2025	0	0	0	0
CUT MO	1550	137	7	149	12601	66946	51	823	43	556
CUT YTD	2157	2624	186	1637	136822	690167	754	8702	635	5592
1010	0	0	0	0	2	247	0	0	0	0
3582	0	0	0	0	28	741	0	0	0	0
3583	0	0	0	0	313	171	14	14	0	0
3584	0	0	0	0	38	4168	0	0	0	0
3586	0	0	4	96	15	657	0	0	0	0
3587	0	0	0	0	0	0	0	0	0	0
3588	0	0	0	0	58	4857	0	0	0	0
3589	0	0	1	32	65	1944	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	0	0	11	209	0	0	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	26	14297	0	0	0	0
3595	0	0	0	0	3	103	0	0	0	0
3596	0	0	0	0	9	19809	0	0	0	0
3597	0	0	0	0	5	146	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	0	0	27	1270	0	0	0	0
ERR MO	0	0	5	128	600	48818	14	14	0	0
ERR YTD	16	3	42	903	6409	252810	16	60	50	444
TOT MO	1550	137	12	277	13201	115764	65	837	43	556
TOT YTD	2173	2627	228	2540	143231	942977	770	8762	685	6037

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1986

	TAIWAN		AUSTRALIA		ALL OTHERS	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	25	909	0	0	0	0
3406	2	160	0	0	0	0
3409	4	142	0	0	0	0
3411	21	695	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	0	0	0	0	0	0
3422	0	0	0	0	1	13
3423	0	0	0	0	0	0
3328	2	106	0	0	0	0
3329	0	0	0	0	0	0
3334	0	0	0	0	0	0
3336	0	0	0	0	0	0
3342	11	47	0	0	1	5
3464	39	421	0	0	0	0
3466	0	0	0	0	0	0
3467	175	705	0	0	0	0
3468	16	143	0	0	0	0
3469	149	898	0	0	1	5
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	0	0	0	0
4504	0	0	0	0	0	0
4506	10	129	1	10	11	66
4508	1	55	0	0	0	0
4510	0	0	0	0	0	0
4512	158	830	0	0	4	42
4513	5	25	0	0	0	0
4514	0	0	0	0	0	0
4515	0	0	0	0	0	0
4516	0	0	0	0	0	0
4518	1	8	0	0	0	0
4505	0	0	0	0	0	0
4519	8	167	0	0	0	0
4522	30	103	0	0	1	85
4527	3	14	0	0	0	0
4528	0	0	0	0	0	0
4529	9	36	0	0	0	0
4533	0	0	0	0	0	0
4539	0	0	0	0	0	0
4541	0	0	0	0	0	0
4541	92	453	0	0	1	55
4546	0	0	0	0	0	0
4554	0	0	0	0	0	0
4556	0	0	0	0	0	0
4558	2	8	0	0	0	0
4559	4	12	0	0	8	21
4562	0	0	5	57	0	0
4564	14	136	0	0	0	0
4567	0	0	0	0	0	0
4571	0	0	0	0	4	13
4576	1	22	0	0	0	0
4577	13	51	0	0	0	0
4578	0	0	0	0	0	0
4579	9	44	0	0	0	0
4000	72	168	0	0	8	25
5000	80280	4944	0	0	419	27
CUT MO	81156	11450	6	67	459	356
CUT YTD	370554	92155	515	717	2528	6162
4010	1	11	0	0	0	0
4582	0	0	0	0	4	15
4583	912	145	15	2	74	88
4584	0	0	0	0	0	0
4586	0	0	0	0	2	42
4587	1	5	0	0	0	0
4588	1	4	0	0	0	0
4589	0	0	0	0	0	0
4591	0	0	0	0	30	131
4592	0	0	0	0	0	0
4593	0	0	0	0	0	0
4594	0	0	0	0	3	10
4595	0	0	0	0	0	0
4596	0	0	0	0	0	0
4597	0	0	0	0	0	0
4598	0	0	0	0	0	0
4599	0	0	1	45	5	170
MM MO	915	166	16	46	118	455
MM YTD	6976	2512	33	119	883	5914
TOT MO	82071	11616	22	113	577	811
TOT YTD	377530	94667	548	1036	3411	12076

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
OCTOBER 1986

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	2	57	0	0	2	57
EAST GERMANY	5	25	3	83	8	108
FINLAND	2	2	75	166	77	168
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	0	0	0	0
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
IRELAND	6	7	0	0	6	7
MALTA	0	0	0	0	0	0
NORWAY	0	0	1	20	1	20
POLAND	16	53	0	0	16	53
ROMANIA	2	1	0	0	2	1
USSR	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	33	144	79	269	112	413
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP	0	0	0	0	0	0
FR W INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS	0	0	0	0	0	0
MEXICO	333	33	29	60	362	93
NICARAGUA	0	0	0	0	0	0
N ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM	0	0	0	0	0	0
TOTAL	333	33	29	60	362	93
OTHER SOUTH AMERICA						
ARGENTINA	0	0	0	0	0	0
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S AM	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
OTHER OCEANIA						
FR PAC IS	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR PAC IS	0	0	0	0	0	0
OTH PAC IS	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
OCTOBER 1986

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	1	5	0	0	1	5
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	1	1	2	102	3	103
INDIA	74	7	0	0	74	7
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	4	10	0	0	4	10
MALAYSIA	0	0	3	3	3	3
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	2	90	0	0	2	90
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	82	113	5	105	87	217
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	11	66	0	0	11	66
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP S AFRICA	0	0	5	22	5	22
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S W AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH WEST AFR	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	11	66	5	22	16	88

SOURCE U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO IM146, NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES 1)"0" DOLLAR AMOUNT LESS THAN $500 2)N.E.C. NOT ELSEWHERE CLASSIFIED 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

RELEASED: DECEMBER 31, 1986

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
674:	METAL CUTTING				
3020	Gear Hobbers & Shapers	62	3734	12	924
3045	Gear Cutting Machines, N.E.C.	84	18717	4	865
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	13	1328	0	0
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	8	3810	0	0
3209	Horizontal Machining Centers, ATC, NC	19	4708	2	861
3211	Machining Centers, NC, N.E.C.	67	5908	4	130
3216	Single Station and Multi-Station Transfer Machines	40	30343	4	3986
3225	Way Type Machines (Unit Heads)	2	75	0	0
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	6	2888	0	0
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	2	164	0	0
3247	Vertical Boring-Drilling-Milling Machines, NC	23	1732	11	400
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	5	695	0	0
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	30	3203	10	178
3254	Drilling Machines, NC	19	2013	4	391
3255	Drilling Machines, Multi-Spindle, Non-NC	36	7847	8	1041
3256	Drilling Machines, Radial, Non-NC	13	141	3	27
3257	Drilling Machines, Upright, Single Spindle, Non-NC	10	202	1	12
3258	Drilling Machines, Non-NC, N.E.C.	155	3647	7	242
3264	Milling Machines, NC	27	6423	2	335
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	44	3420	5	57
3267	Milling Machines, Knee Type, Non-NC	6	440	1	70
3268	Milling Machines, Bed Type, Non-NC	9	2719	2	26
3269	Milling Machines, Non-NC, N.E.C.	87	4899	7	607
3276	Vertical Boring Machines, Incl. VTLs, NC	15	5814	0	0
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	238	15644	35	1490
3281	Boring Machines, NC, N.E.C.	6	1728	3	285
3283	Boring Machines, Non-NC, N.E.C.	61	3374	11	247
3503	Horizontal Lathes, Multi-Spindle, NC	5	773	0	0
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	108	8434	9	898
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	21	2996	6	1046
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	8	1383	1	147
3510	Horizontal Engine & Toolroom Lathes, Non-NC	66	1089	10	84
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	9	1696	1	84
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	9	408	0	0
3515	Automatic Bar Machines, Single-Spindle, Non-NC	24	930	3	15
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	20	843	4	115
3518	Horizontal Lathes, Non-NC, N.E.C.	1180	17171	197	3225
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	10	2486	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	28	2477	0	0
3525	Vertical Lathes, Excl. VTLs, Non-NC	133	7725	10	1017
3528	Grinding, Polishing, Honing & Lapping Machines, NC	66	6881	24	2286
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	43	4972	3	811
3531	Tool & Cutter Grinding Machines, Non-NC	138	4604	14	330
3532	Honing & Lapping Machines, Non-NC	202	7408	19	276
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	41	1042	8	423
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	162	12374	19	2081
3541	External Grinding Machines, Non-NC	26	2621	2	341
3542	Internal Grinding Machines, Non-NC	8	1356	2	278
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	139	6427	10	514
3546	Grinding Machines, Non-NC, N.E.C.	185	4235	27	250
3547	Traveling Wire Electrical Discharge Machines	6	296	0	0
3549	All Other Electrical Discharge Machines	94	1858	8	295
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	14	1467	2	83
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	28	969	2	50
3559	Metal Cutting Machine Tools, NC, N.E.C.	19	1213	4	139
3561	Sawing & Cut Off Machines, Non-NC	376	7112	36	602
3566	Broaching Machines, Non-NC	5	555	0	0
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	170	5916	18	338
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	2603	28941	289	3485
5000	Metal Cutting Machine Tools, Less Than $2500**	30227	11070	4404	1242
	TOTAL CUTTING			5268	32636
	TOTAL CUTTING YTD	37260	295402		
674:	METAL FORMING				
1011	Die Casting Machines & Parts	0	15990	0	1999
3568	Metal Forming Machine Tools, Used Or Rebuilt	792	6596	52	1920
3569	Metal Forming Machine Tools, Less Than $2500	3501	2363	256	170
3571	Punching & Shearing Machines, Incl. Combination, NC	36	3871	4	249
3573	Shearing Machines, Non-NC	53	1211	10	227
3575	Punching & Combination Punching & Shearing Machines, Non-NC	364	11714	44	1042
3578	Bending, Folding, Straightening & Flattening Machines, NC	111	3891	8	590
3582	Press Brakes, Non-NC	84	3583	2	323
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	17	1098	0	0
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	391	19029	37	2375
3588	Mechanical Presses, Non-NC	138	10564	7	366
3589	Hydraulic Presses, Vertical, Single Action, Non-NC	37	8373	1	108
3590	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	590	32680	48	3176
3594	Headers & Upsetters, Non-NC	58	9663	2	184
3595	Forging Machines, Non-NC, N.E.C.	88	6746	4	59
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	527	45639	65	11030
	TOTAL FORMING			540	23820
	TOTAL FORMING YTD	6787	183040		
	TOTAL ALL TYPES			5808	56456
	TOTAL ALL TYPES YTD	44047	478442		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554
**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	6	24	0	0
3254	0	0	2	64	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	34	1340	0	0	0	0	0	0
3281	0	0	0	0	1	30	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	1	24	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	1	29	0	0	3	206
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	1	42	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	2	31	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	2	6	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3562	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	1	30	0	0	0	0	28	712	0	0
5000	0	0	164	121	0	0	0	0	0	0
CUT MO	3	61	200	1525	2	59	38	808	3	206
CUT YTD	23	298	836	14915	6	213	2745	3627	33	905
1011	0	24	0	0	0	0	0	0	0	0
3568	0	0	0	0	0	0	0	0	1	9
3569	0	0	7	6	0	0	10	7	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	2	683	1	24
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	1	108	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
FRM MO	0	24	7	6	0	0	13	798	2	33
FRM YTD	11	610	98	2135	7	82	203	5792	68	1013
TOT MO	3	84	207	1531	2	59	51	1606	5	238
TOT YTD	34	907	934	17049	13	295	2948	9419	101	1917

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

674:	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	1	92	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	2	26	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	1	460	2	417
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	1	250	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	1	11	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	11	494	0	0	0	0	0	0	1	35
5000	0	0	12	7	0	0	0	0	12	15
CUT MO	16	873	12	7	0	0	1	460	15	467
CUT YTD	734	5060	207	1812	1	231	1014	1820	503	2010
1011	0	1084	0	0	0	0	0	0	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	5	2	0	0	3	1	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	4	3	35	0	0	0	0	0	0
3578	0	0	0	0	0	0	1	82	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	25	0	0	0	0	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	2	2627	0	0	0	0	0	0	1	77
FRM MO	4	3740	8	38	0	0	4	83	1	77
FRM YTD	41	8856	56	580	7	301	24	803	13	1736
TOT MO	20	4613	20	44	0	0	5	542	16	544
TOT YTD	775	13915	263	2392	8	532	1038	2622	516	3745

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	3	3226	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	1	57	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	3	545	0	0
3528	0	0	0	0	0	0	1	156	6	570
3529	0	0	0	0	1	193	2	617	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	6	62	1	11	0	0	6	90	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	1	233	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	2	7	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	2	28	0	0	1	19	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	4	261	0	0	4	11	0	0
4000	0	0	0	0	0	0	2	80	0	0
5000	8	5	381	116	0	0	20	32	0	0
CUT MO	16	357	391	3642	1	193	41	1557	6	570
CUT YTD	1008	4029	1836	32491	6	1024	1304	12155	56	1133
3011	0	0	0	0	0	0	0	118	0	0
3568	0	0	8	14	0	0	0	0	0	0
3569	0	0	9	3	0	0	28	18	0	0
3571	0	0	0	0	0	0	2	180	0	0
3573	0	0	0	0	0	0	3	66	0	0
3575	0	0	2	76	0	0	1	21	0	0
3578	1	97	0	0	0	0	1	66	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	7	257	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	1	15	0	0	5	284	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	2	65	2	50	0	0	0	0	0	0
FRM MO	3	162	22	157	0	0	47	1009	0	0
FRM YTD	42	1299	150	5199	1	240	350	14465	3	482
TOT MO	19	519	413	3799	1	193	88	2566	6	570
TOT YTD	1050	5328	1986	37690	7	1264	1664	26620	59	1615

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

	OTH. EUROPE		CANADA		MEXICO		OTH. N & C		ARGENTINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	11	601	0	0	0	0	0	0
3045	0	0	1	185	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	2	861	0	0	0	0	0	0
3211	0	0	2	95	2	35	0	0	0	0
3216	0	0	0	0	1	760	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	1	222	0	0	0	0	0	0
3255	0	0	6	298	2	743	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	1	12	0	0	0	0
3258	0	0	0	0	3	98	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	5	57	0	0	0	0
3267	0	0	1	70	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	3	500	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	2	255	0	0	0	0
3283	0	0	0	0	0	0	2	30	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	7	696	0	0	0	0	0	0
3507	0	0	1	378	0	0	0	0	0	0
3509	0	0	1	147	0	0	0	0	0	0
3510	0	0	1	4	0	0	0	0	0	0
3511	0	0	0	0	1	84	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	2	7	1	8	0	0	0	0
3516	0	0	1	47	3	69	0	0	0	0
3518	0	0	6	83	181	2998	5	55	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	2	86	0	0	0	0
3528	0	0	13	524	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	6	56	4	31	0	0	0	0
3532	0	0	5	85	0	0	0	0	0	0
3533	0	0	4	38	1	59	0	0	0	0
3538	0	0	0	0	10	173	0	0	0	0
3541	0	0	1	214	0	0	0	0	0	0
3542	0	0	1	263	1	15	0	0	0	0
3544	0	0	1	3	3	29	0	0	0	0
3546	0	0	16	78	5	30	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	1	13	5	276	0	0	0	0
3551	0	0	1	43	0	0	0	0	0	0
3553	0	0	2	50	0	0	0	0	0	0
3559	0	0	1	74	0	0	0	0	0	0
3565	0	0	5	19	10	108	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	3	10	4	33	0	0	0	0
4000	5	197	25	108	80	1293	4	6	0	0
5000	239	74	434	316	143	98	91	16	0	0
CUT MO	244	271	562	5586	473	7851	102	108	0	0
CUT YTD	461	1634	6354	36192	3520	50685	590	1573	120	361
1011	0	19	0	78	0	148	0	22	0	0
3568	0	0	2	5	25	141	0	0	0	0
3569	0	0	115	50	34	43	0	0	2	1
3571	0	0	1	49	0	0	0	0	0	0
3573	0	0	6	131	1	30	0	0	0	0
3575	0	0	15	441	6	163	1	6	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	1	284	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	8	456	9	128	0	0	1	229
3588	0	0	2	200	1	30	0	0	1	33
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	7	170	24	1392	1	6	0	0
3594	0	0	1	35	0	0	0	0	0	0
3595	0	0	4	59	0	0	0	0	0	0
3598	0	0	9	513	3	84	0	0	0	0
FRM MO	0	19	171	2471	103	2160	2	34	4	263
FRM YTD	44	912	2061	34809	1797	24642	59	540	6	381
TOT MO	244	289	733	8057	576	10011	104	141	4	263
TOT YTD	505	2546	8415	71001	5317	75327	649	2113	126	742

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM.		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	1	159
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	1	3	0	0	0	0
3264	0	0	0	0	0	0	0	0	2	335
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	3	45	0	0	4	100	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	1	152	0	0
3528	0	0	0	0	0	0	0	0	1	285
3529	0	0	0	0	0	0	0	0	0	0
3531	2	162	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	2	15	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	1	193
3546	0	0	0	0	1	28	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	2	21	0	0	0	0
4000	1	2	0	0	0	0	2	4	0	0
5000	50	2	2	3	0	0	3	6	21	14
CUT MO	53	167	5	48	4	52	12	277	26	985
CUT YTD	163	10205	99	1293	1181	2072	426	1073	609	22876
1011	0	8	0	0	0	0	0	14	0	348
3568	0	0	2	54	2	33	0	0	0	0
3569	1	2	0	0	14	9	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	1	13	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	1	35	0	0	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	1	182
3594	1	148	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	42	7538
FRM MO	2	159	3	89	16	42	1	28	43	8068
FRM YTD	30	1552	37	293	101	1998	46	592	97	14355
TOT MO.	55	325	8	137	20	94	13	305	69	9053
TOT YTD	193	11757	136	1586	1282	4070	472	1665	706	37231

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

	HONG KONG		INDIA		ISRAEL		JAPAN		KOREAN REP	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	1	323	0	0
3045	0	0	0	0	0	0	1	460	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	11	400	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	1	105	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	1	19	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	1	17	0	0	0	0	2	80	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	1	149
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	2	202	0	0
3507	0	0	0	0	0	0	1	348	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	8	63	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	1	41	3	23	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	1	78	0	0	0	0	2	673	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	1	39	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	2	162	1	163
3538	0	0	0	0	0	0	2	770	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	1	7
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	3	65	0	0	0	0	0	0	0	0
3565	0	0	1	28	1	70	6	242	6	51
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	102	220	0	0	2	4	3	36
5000	24	1	255	22	960	44	830	97	61	28
CUT MO	29	161	359	375	963	173	874	3887	73	434
CUT YTD	1019	1875	555	7416	1464	1837	5362	31269	632	16005
1011	0	0	0	23	0	0	0	20	0	85
1568	0	0	0	0	0	0	0	0	0	0
1569	0	0	0	0	0	0	1	3	0	0
1571	0	0	0	0	0	0	0	0	0	0
1573	0	0	0	0	0	0	0	0	0	0
1575	0	0	0	0	0	0	0	0	0	0
1578	0	0	1	280	0	0	0	0	0	0
1582	0	0	0	0	0	0	0	0	1	39
1583	0	0	0	0	0	0	0	0	0	0
1584	0	0	0	0	0	0	2	169	2	119
1588	0	0	0	0	0	0	0	0	0	0
1589	0	0	0	0	0	0	0	0	0	0
1590	0	0	0	0	0	0	3	195	5	273
1594	0	0	0	0	0	0	0	0	0	0
1595	0	0	0	0	0	0	0	0	0	0
1598	1	4	0	0	0	0	1	18	1	29
FRM MO	1	4	1	303	0	0	7	404	9	545
FRM YTD	21	171	49	2058	86	2393	281	14128	82	9872
TOT MO	30	165	360	678	963	173	881	4290	82	979
TOT YTD	1040	2045	604	9473	1550	4231	5643	45397	714	25877

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

674:	PAKISTAN		PHILIPPINES		S. ARABIA		SINGAPORE		TAIWAN	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	1	61
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	3	27	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	1	30	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	4	320	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	1	17
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	1	14
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	2	84
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	1	17	1	4	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	3	76
5000	0	0	0	0	28	6	12	10	83	9
CUT MO	0	0	0	0	29	23	21	391	91	261
CUT YTD	34	1677	108	269	124	362	434	3843	592	3475
1011	0	0	0	2	0	0	0	0	0	0
3568	0	0	0	0	0	0	0	0	7	1647
3569	0	0	0	0	0	0	8	8	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	8	84	0	0	4	40	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	0	0	0	0	2	31	1	72	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	1	25
FRM MO	0	0	8	86	2	31	13	120	8	1672
FRM YTD	0	0	23	184	45	8716	119	2819	62	4252
TOT MO	0	0	8	86	31	54	34	511	99	1933
TOT YTD	34	1677	131	452	169	9078	553	6662	654	7727

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

674	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	2	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	2	48	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	1	15	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	1	22	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	1	127	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	2	24	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	1	5	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	2	0	0	0	0	0	0
4000	4	156	0	0	4	3	0	0	0	0
5000	0	0	138	17	420	158	0	0	0	0
CUT MO	4	156	141	152	428	252	2	24	0	0
CUT YTD	104	9909	678	2687	1737	3386	54	122	8	106
1011	0	0	0	2	0	6	0	0	0	0
3568	0	0	5	17	0	0	0	0	0	0
3569	0	0	15	16	4	2	0	0	0	0
3571	0	0	0	0	1	20	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	1	37	0	0	0	0	0	0
3578	0	0	3	53	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	1	34	1	32	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	1	660	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
FRM MO	0	0	25	157	7	718	0	0	0	0
FRM YTD	16	7148	72	1990	382	3961	106	111	0	0
TOT MO	4	156	166	309	435	970	2	24	0	0
TOT YTD	120	17057	750	4677	2119	7347	160	233	8	106

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1986

674:	EGYPT		REP. S. AFR		OTH. AFRICA	
	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	2	105
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	1	10
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	0	0	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	1	40	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	10	6	1	25
5000	0	0	13	26	0	0
CUT MO	1	40	23	32	4	141
CUT YTD	91	246	262	615	167	559
1011	0	0	0	0	0	0
3568	0	0	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	2	136	0	0	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	1	185
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM MO	2	136	0	0	1	185
FRM YTD	5	289	63	812	13	442
TOT MO	3	176	23	32	5	326
TOT YTD	96	535	325	1426	180	1000

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMNS
OCTOBER 1986

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	4	190	0	0	4	190
CYPRUS	2	3	0	0	2	3
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	0	0	0	6	0	6
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	0	1	0	1
HUNGARY	1	7	0	0	1	7
ICELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	237	71	0	11	237	82
PORTUGAL	0	0	0	0	0	0
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	244	271	0	19	244	289
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN ISLANDS	0	0	1	6	1	6
COSTA RICA	56	10	0	0	56	10
DOMINICAN REP	7	51	1	28	8	78
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	4	41	0	0	4	41
SALVADOR	35	7	0	0	35	7
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	102	108	2	34	104	141
OTHER SOUTH AMERICA						
BOLIVIA	0	0	0	0	0	0
CHILE	8	177	1	13	9	190
ECUADOR	0	0	0	10	0	10
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	4	100	0	5	4	105
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	12	277	1	28	13	305
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
OCTOBER 1986

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	8	71	8	71
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	2	71	2	71
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SRI LANKA	1	127	0	0	1	127
SYRIA	0	0	0	0	0	0
THAILAND	140	25	15	16	155	40
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	141	152	25	157	166	309
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	1	185	1	185
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	1	10	0	0	1	10
LIBYA	0	0	0	0	0	0
MALAGASY REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	3	130	0	0	3	130
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	4	141	1	185	5	326

SOURCE U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522, NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES 1)'0-' = DOLLAR AMOUNT LESS THAN $500 2)N.E.C. - NOT ELSEWHERE CLASSIFIED
3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING